

**Table 3-6b**  
**95 Percent Upper Confidence Limit (95UCL) Bioaccumulation Factors**  
**Non-Tidal Wetland Areas**  
**Investigation Area H1 Feasibility Study**  
**Mare Island, Vallejo, California**

Analyte <sup>1</sup>	Amphibian		Benthic Invertebrate	Pickleweed		Plant	
	Wet weight basis	Dry weight basis	Dry weight basis	Wet weight basis	Dry weight basis	Wet weight basis	Dry weight basis
<b>Inorganics</b>							
Aluminum <sup>4</sup>	1.16E-03	7.75E-03	1.93E-01	6.69E-04	3.64E-03	6.92E-03	7.56E-03
<i>Antimony</i> <sup>2</sup>	--	--	2.32E-01	5.43E-01	*	2.95E+00	2.08E-01
Arsenic <sup>4</sup>	--	--	1.92E-01	2.76E-02	*	1.50E-01	1.06E-01
Barium <sup>3,4</sup>	--	--	1.50E+00	1.02E-01		5.56E-01	7.20E-02
Cadmium <sup>3</sup>	--	--	2.15E-01	1.24E-01		6.76E-01	1.28E+00
Chromium <sup>3,4</sup>	3.68E-02	2.45E-01	5.53E-01	--	--	--	--
Copper <sup>3,4</sup>	--	--	6.67E-01	3.34E-02	*	1.82E-01	5.20E-02
<i>Lead</i> <sup>2,4</sup>	--	--	5.07E-02	1.46E-02		7.92E-02	6.87E-03
Manganese <sup>3,4</sup>	7.18E-03	4.78E-02	5.29E+00	*	3.22E-01	1.75E+00	4.47E-01
Mercury <sup>3</sup>	1.11E-01	7.42E-01	6.96E-01	--	--	--	--
Nickel <sup>3,4</sup>	--	--	3.65E-01	2.09E-02		1.14E-01	1.27E-02
<i>Selenium</i> <sup>2</sup>	8.65E-01	5.77E+00	--	--	--	--	--
Tin <sup>4</sup>	--	--	--	1.14E+00	**	6.21E+00	1.42E+00
Vanadium <sup>3</sup>	--	--	2.96E-02	--	--	2.02E-02	*
Zinc <sup>3,4</sup>	1.18E-01	7.87E-01	1.51E+00	6.93E-02		3.77E-01	7.75E-02

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Analyte <sup>1</sup>	Amphibian		Benthic Invertebrate	Pickleweed		Plant	
	Wet weight basis	Dry weight basis	Dry weight basis	Wet weight basis	Dry weight basis	Wet weight basis	Dry weight basis
<b>Organics</b>							
<i>Total PCBs</i> <sup>2,4</sup>	1.55E+00	1.03E+01	1.16E+01	*	5.00E-01	*	2.72E+00
Anthracene <sup>4</sup>	--	--	--		--	--	1.73E+00
Benzo(a)anthracene <sup>4</sup>	--	--	--	2.38E-01	*	1.29E+00	--
Benzo(a)pyrene <sup>3,4</sup>	--	--	--	4.26E-01	*	2.31E+00	--
Benzo(b)fluoranthene <sup>4</sup>	--	--	--	2.86E-01	*	1.55E+00	--
Benzo(ghi)perylene <sup>4</sup>	--	--	--	2.86E-01	*	1.55E+00	--
Benzo(k)fluoranthene <sup>4</sup>	--	--	--	2.86E-01	*	1.55E+00	--
Chrysene <sup>4</sup>	--	--	--	3.85E-01	*	2.09E+00	--
Fluoranthene <sup>4</sup>	--	--	--	--	--	--	1.07E+00
Indeno(1,2,3cd)pyrene <sup>4</sup>	--	--	--	5.83E-01	*	3.17E+00	--
Phenanthrene <sup>4</sup>	--	--	2.51E+00	*	--	--	1.50E+00
Pyrene <sup>4</sup>	--	--	--	--	--	--	--

Notes:

\*based on maximum bioaccumulation factor (BAF) because 95UCL exceeds maximum or insufficient sample size

\*\* based on dibutyltin

Dry Weight BAF = Wet weight BAF / (1-% moisture)

% moisture = 85% for amphibians; 81.6% for pickleweed; 8.5% for plants

1 - Chemicals listed in this table were identified as exhibiting at least one concentration that was considered a data outliers and/or risk drivers identified in the ecological risk assessment.

2 - The chemicals identified as risk drivers from the baseline ecological risk assessment are denoted as italicized and bold.

3- Chemicals that present potential or significant or immediate risk to non-tidal wetland receptors; however, the 95UCL concentrations of the chemicals in soil are lower than ambient concentrations.

4 - Chemicals identified with at least one outlier concentration.